Secrets. H.-27—100,000—25-6-48.

Food and Agriculture

(195 49) Department.

MS SERIES.

G.O. No. 690

Dated 2-8-1949

[Despatch Abstract.]

Agriculture - Grow More Food - Intensive Cultivation Schemes - Programme for 1949-50.

GOVERNMENT OF MADRAS.
Food Department.
Ms.No. 690.

From

Sri M.A. Kuttalalingam Pillai, B.A.,
Secretary to the Government of Madras,
Food Department.

To

The Secretary to the Government of India,
Ministry of Agriculture,
NEW DELHI (with enclosure).

Dated, Fort St. George, the 2nd August 1949.

(Agriculture - Grow More Food - Intensive cultivation Government's letter. No. 10.4367, Development, dated 23rd August 1948 - Letter from the Government of India, No.5-19/49-GMF, dated 3rd December 1948.)

I am directed to forward a tentative programme of food production schemes for 1949-50 relating to the Agriculture Department in the form prescribed by the Government of India. It consists of 13 agricultural schemes included in the Two-Year Emergency Food Production plan which will be communicated to you separately and one scheme for the formation of three Air Compressor units for deepening wells. The programme consisting of the schemes enclosed with this letter may be taken as approved by this Government for adoption.

2. A separate communication will be sent regarding the Fisheries Department schemes from the Development Department.

3. I am also to enclose an abstract statement of the cost of the 14 schemes referred to above during 1949-50 as also of the estimated production therefrom. I am to request that the Government of India may communicate their general approval of the schemes for 1949-50 forwarded herewith. Most of the schemes are continuation of old schemes. ~~There are no schemes are continuation of old schemes~~. There are no schemes which were sanctioned in one year and not started that year. It is indicated in the enclosure whether the scheme described is old or new.

Yours faithfully,
M.A. KUTTALALINGAM PILLAI,
Secretary to Government.

Copy to the Commissioner of Food Production.
Copy to the Director of Agriculture.
Copy to the Director of Industries and Commerce.
Copy to the Development (P & D) Department.
Copy to the Development 'F'Department.
Copy to the Development ' D I Department.
Copy to Finance Department.

E N C L O S U R E.

TWO YEAR PLAN OF INTENSIVE CULTIVATION SCHEMES RELATING TO THE AGRICULTURAL DEPARTMENT (INCLUDING ONE SCHEME RELATING TO THE INDUSTRIES DEPARTMENT).

PROGRAMME FOR 1949 - 50 (FIRST YEAR).

OLD SCHEME- SCHEME NO. I.

1. Name of the scheme - Land Development by mechanical cultivation and installation of pumping sets.

/2..

2. Total cost of the scheme - Capital cost of Rs.12,50,000.
Working expenses:-

	Rs.	Rs.
Pay and allowances of pumpset driver	73,810	
Transport charges	8.190	
	-------	82,0009

		13,32,009

3·Cost recoverable (hire charges)- Rs.52,400.
4.Net cost of the scheme - Rs.12,79,600.
5·Government of India's share -

	Rs.	Rs.
Depreciation and interest	1,18,750	
Working expenses	.82,000	

	2,00,750	
Anticipated receipts	52,400	
	----------	74,175
Net working cost	1,48,350	
Fifty ~~per~~ per cent of net working cost	74,175	

6·Provincial Government's share - Rs.12,05,425
7·Number of oil engines to be purchased - 265 complete sets.
8.Quantity of seeds, manures, etc. to be distributed - Nil-
9.Area to be benefited - 4,000 acres.
10. Estimated additional production (500 lb. per acre) 1,000 tons of food grains.
11·Result of last year's scheme - 25 units have been distributed to the end of 31st March 1949.
12·- Duration of scheme - Two years.
13.Area of operation - Throughout the Province.
14.Remarks - Nil.

NEW SCHEME - SCHEME NO. 2.

1. Name of scheme - Land Development by mechanical cultivation supply of electric motor pump sets to agriculturists for lift irrigation.

2. Total cost of scheme - Rs.42,00,000.

2,400 pump sets at Rs.1,500 per set	Rs.36,00,000
200,000 feet pipes at Rs. 3 per foot	Rs. 6,00,000

	Rs.42,00,000
	----------

3 Cost recoverable-Rs.42,00,000 (The entire cost is recoverable. The pump sets will not be purchased by the Government but supply arranged to the ryots direct from manufacturers and their representations. Pipes will be purchased departmentally and the cost of pipes will be recovered in full by sale to the ryots without loss to the Government.)
4. Net cost of scheme. Nil.
5. Government of India's share-Nil.
6.Provincial Government's share - Nil.
7.Number of electric motor pump sets and pipes proposed to be purchased - See Item No. 2.
8.Quantity of seeds, manures, etc., proposed to be distributed - Nil.
9.Area to be benefited - 12,000 acres.
10·Estimated additional production - 5,356 tons.
11. Results of last year - New Scheme - ~~Two years.~~
13 Area of operation - Throughout the Province.
14 Remarks - Nil.

12. Duration of the Scheme - ~~NEW SCHEME - SCHEME NO. 3.~~ Two Years

/3.

NEW SCHEME- SCHEME NO.3.

1. Name of scheme - Central Agricultural Engineering Store and Servicing Centre for the improvement of irrigation facilities with the help of mechanical cultivation.
2. Total cost of scheme- Rs.22,50,000.
   Non-recurring - Rs.22,00,000
   Working expenses - Rs.50,000

3. Cost recoverable - Rs.22,50,000.
4. Net cost of scheme - Nil-
5. Government of India's share - Nil.
6. ~~Improvement~~ Provincial Government's share- Nil.
7. Machinery to be purchased-1,000 electric motor pump sets.
   100 oil engines.
   2,000 starts and switches.
   100,000 feet pipes.
   79,000 pipe fittings.
8. Quantities proposed to be distributed - Item 7 above.
9. Area to be benefitted-5,500 acres per year.
10-Estimated additional production 2,456 - tons per year.
11 Results of last year - New Scheme.
12. Duration of scheme - Three years.
13. Area of operation -Throughout the Province.
14 Remarks - Nil.

SCHEME NO.4.

1. Name of scheme -Land development by mechanical cultivation by tractors and bull-dozers.

2. Total cost of scheme-
   Non-recurring-

	Rs.	Rs.
Cost of 83 tractors	20,59,146	
Cost of ploughs	4,06,955	
Cost of bull-dozers	1,42,304	
Trexcavations	1,73,220	
Farm wagons	43,350	
Servicing tools and lubricants	95,781	
Total	29,20,756 or 29,20,800	

Recurring-

Cost of spare parts -	5,00,000	
Cost of fuel oil -	4,00,000	
Repairs	10,000	
Transport	20,000	
Miscellaneous wages, batta, dearness allowance, etc., for drivers, clearners, etc.,	1,50,000	
Total	10,80,000	
		10,80,000
		40,00,800

3. Cost receivable through hire charges 2,50,000
4. Net expenditure-
   non-recurring -~~219~~ 29,20,800
   Recurring 8,30,000
   37,50,800

	Rs.
5.,Government of India's share - Non- Recurring -	
Depreciation at 20 per cent of capital cost	5,84,160
Depreciation interest at 5 per cent	1,46,040
	7,30,200

Remarks: The targets planned for 1949-50 can be achieved subject to the following conditions:-

(1) Free flow of fuel oil and lubricants.
(2) Availability of spare parts in ready stock with manufacturers' representatives.
(3) The delivery of tractors and equipments, if effected during the year.

6. Provincial Government's share - Rs.26,05,600

7. Number of tractors on hand -

Ordered already.	152
Expected to be delivered	33
	185
To be ordered	50
Total	235

8. Quantity of seeds, manures, etc., to be distributed - Nil.

9. Area to be benefitted - 40,000 acres.

10. Estimated additional production 10,000 ~~acres~~ Tons.
11. Result of last years' scheme -
Additional yield achieved - 6,300 tons.
Additional acreage actually achieved from 1st April 1948 to 31st March 1949 - 25,205 acres.

NOTE: The targets planned for 1948-49 could not be achieved as per programme on account of lack of trained personnel and irregular supply of spare parts and fuel oil.
12. Duration of Scheme - Five years from 1st April 1947.
13. Area of operation - Throughout the Province.

OLD SCHEME - SCHEME NO.5.

1. Name of scheme - Soil conservation and contour-bunding in Ceded districts and Visakhapatnam.
2. Total cost of scheme - Rs.9,79,610
3. Cost recoverable from ryots - Rs.1,60,875
4. Net cost - Rs.8,18,735
5. Government of India's share - Rs.4,09,367
6. Provincial Government's share - Rs.4,09,368
7. Number of works to be constructed - Nil.
8. Quantity of seeds, manure, etc. to be distributed- Nil.
9. Area to be benefitted - 8,250 acres.
10. Estimated additional production - 700 tons.
11. Result of last year's scheme - Nil.
12. Duration of scheme - Five years plan changed to 2 year-plan.
13. Area of operation - Anantapur, Bellary, Guntur and Visakhapatnam districts.
14. Remarks- The scheme has not yet begun to operate.

OLD SCHEME - SCHEME NO. 6.

1 Name of scheme - Scheme for distribution of iron and steel for agricultural purposes.

2 Total cost of scheme - Rs.1,27,10,000

	Rs.
Estimated acquisition of 25,000 tons of standard steel at Rs. 500 per ton	1,25,00,000
And 600 tons of defective at Rs.350 per ton	2,10,000
	1,27,10,000

3 Cost recoverable - Rs.1,27,00,000.
4 Net cost - Nil.
5 Government of India's share - Nil.
6 Provincial Government's share - Nil.
7 Machines to be purchased - Vide item 2 above.
8 Quantity of seeds, manure, etc., to be distributed.
9 Area to be benefited.
10. Estimated additional production. Not estimated.
11. Results of last year.
12. Duration of scheme - Five year plan changed to two years.
13. Area of operation - Throughout the Province.
14. Remarks - The scheme is in operation from period III of 1944. The total requirements of iron and steel for agricultural purposes are estimated at 60,000 tons every year. But the quota allotted by the Government of India is far short of the requirements. Raw materials such as cart-tyres, galvanized corrugated sheets, etc., are supplied direct to the ryots from the agricultural depots. Supplies of defectives and small quantities of standard steel are also made to rural fabricators for manufacture of agricultural implements for supply to ryots. The scheme is looked on a no-profit, no-loss basis. The scheme is financed entirely from Provincial funds.

OLD SCHEME - SCHEME NO. 7.

1 Name of scheme - Subsidy for rural compost making.
2 Total cost of the scheme - Rs.42,600-
3 Cost recoverable - Nil.
4 Net cost of scheme - Rs.42,000-
5. Government of India's share - Rs.21,300.
6. Provincial Government's share - Rs.21,300.
7. Number of works to be conducted - Pits will have to be excavated by the ryots themselves for compost making. As the dimensions of the pit vary in accordance with locality and other environmental conditions, no standard dimensions have been prescribed and the number of pits to be excavated is not pre-estimated. The subsidy will be paid for compost actually made calculated on the basis of the central contents of the pits, deducting one- third for shrinkage at As.12 per 50 cft.
8. Quantity of seeds, manures etc. to be distributed - 42,600 tons of compost are proposed to be made during 1949-50.
9. Area to be benefited. The compost is made by the ryots themselves and applied to their crops. Hence, accurate figures cannot be furnished. Estimating that 5 tons are applied per acre, the area to be benefitted will be 8,520 acres.
10. Estimated additional production -1,000 tons of cereals.
11. Results of last year's schme - 15,871tons of compost were prepared during the period from 1st April to 31st December 1948 and 14,835 tons applied to crops.
12. Duration of scheme. Five years changed into two years.
13. Area of operation - All districts of the Province except Nilgiris and South Kanara.
14. Remarks - Nil.

OLD SCHEME - SCHEME NO. 8.

1. Name of scheme - Scheme for the control of pests and diseases of crops.
2. Total cost of scheme-Rs.1,23,500.
Recurring - Rs.70,000 for purchase of pesticides.

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Non-recurring - Rs.53,500 for purchase of applicances.
3. Cost recoverable - Rs.35,000 (pesticides are proposed to be sold at half of the cost price).
4. Net cost of scheme - Rs.88,500.
5. Government of India's share- Rs.20,844.

	Rs.
Fifty per cent of net recurring expenses	17,500
Fifty per cent of 12½ per cent of non-recurring expenditure as depreciation and interest.	3,344
	20,844.

6. Provincial Government's share - Rs.67,656,
7. Number of works to be constructed - Nil.
8. Quantity of seeds, manure, etc., to be distributed- Rs.70,000 worth of various pesticides.
9. Area to be benefitted-Not estimated.
10. Estimated additional production - 15,556 tons (Five per cent of the over-all total production by other means could be considered as due to plant protection).
11. Results of last years' scheme - 43,119 acres have been covered till 31st December 1948.
12. Duration of scheme - Two years.
13. Area of operation - Entire Province.
14. Remarks - Nil.

NEW SCHEME - SCHEME NO.9.

1, Name of scheme - Scheme for the subsidised distribution of phosphatic manures to increase paddy production during 1949-50.
2. Total cost of scheme---

	Rs. Lakhs	Rs. Lakhs.
Cost of 15,000 tons of super phosphate at Rs.235 per ton.	35.25	
Cost of 8,000 tons of bonemeal at Rs.170/- per ton.	13.60	
Cost of 10,000 tons of granular ammonium phosphate at Rs.530 per ton.	53.00	
Cost of 15,000 tons of ammonium phosphate at Rs.356 per ton.	53.40	
	155.25	169.65
Handling and movement charges at Rs.30 per ton.	14.40.	
	169.65	

3. Cost recoverable - Rs.84.825 lakhs.
4. Net cost of the scheme - Rs.84.825 lakhs.
5. Government of India's share- Rs.41.4,125 lakhs.
6. Provincial Goverrmment's share - Rs.41.4,125 lakhs.
7. Number of works to be constructed-For distribution in the districts.
8. Quantity to be distributed-48,000 tons.
9. Area to be benefited - About 3.6 million acres.
10. Estimated additional production - 4,000 tons of rice.
11. Results of last year's scheme- New Scheme..
12. Duration of scheme - One year.
13. Area of operation - Area selected for intensive cultivation in East Godavari, West Godavari, Krishna, Guntur, Nellore, Tanjore, Tiruchirappalli, Mathurai, Tirunelveli, Coimbatore, South Arcot, Chingleput, North Arcot, Chittoor and Salem districts.
14. Remarks - Nil.

OLD SCHEME - SCHEME NO. 10.

1. Name of Scheme - Distribution of ammonium sulphate for increasing production of foodgrains.
2. Total cost of scheme - Rs.2,84,00,000.
3. Cost recoverable - Rs.2,84,00,000.
4. Ge Net cost of scheme - Nil.
5. Government/India's share - Nil. of
6. Provincial Government's share - Nil.
7. Number of works to be conducted- Nil.
8. Quantity to be distributed - 80,000 tons.
9. Area to be benefited - 41 lakhs of acres.
10. Estimated additional production - 1,60,000 tons of rice.
11. Duration of scheme - Two years.
12. Area of operation - Whole Province.
13. Result of last year's scheme - Nil.
14. Remarks:-Out of 80,000 tons of ammonium sulphate proposed to be distributed to the ryots, 59,180 tons are allottted for intensified areas and the remaining, 20,80 tons for other parts of the Province. There is no subsidy for the distribution of ammonium sulphate.

OLD SCHEME - SCHEME NO. 11.

1. Name of scheme - Scheme for intensive multiplication and distribution of improved paddy seeds.
2. Total cost of scheme - Rs.43,70,605.
3. Cost recoverable by sale of seeds - Rs. 39,55,445.
4. Net cost of scheme - Rs.4,15,160.
5. Government of India's share - Rs.25,742.
6. Provincial Government's share - Rs.3,89,418.
7. Quantity of paddy seeds to be purchased - 12,400 tons.
8. Quantity of paddy seeds to be distributed - 12,400 tons.
9. Area to be benefitted-7,52,250 ~~tons.~~ acres)
10. Estimated additional production (Calculated on an average of 180 lb. of paddy per acre). 40,300. tons.
11. Result of last year's scheme - This intensive cultivation scheme is to be launched in 1949-50 only. The result of 1948-49 scheme worked on the five year plan in all the districts of the Province will be available only hereafter.
12. Duration of scheme. Two years.
13. Area of operation - 7,52,250 acres.
14. Remarks- It is not proposed to employ any additional staff on the schemes. The staff alereadly employed under the comprehensive Scheme No.7 of the five-year plan will be utilised for this two year intensive cultivation scheme.

OLD SCHEME - SCHEME NO. 12.

1. Name of scheme - Schemes of green manuring for increasing production of foodgrains.
2. Total cost of Scheme - Rs.1,27,33,850.
3. Cost recoverable by sale of green manure seeds - Rs.1,99,93,750.
4. Net cost of scheme - Rs.7,40,100.
5. Government of India's share - Rs.3,70,050.
6. ~~Government~~ Provincial Government's share - Rs.3,70,050.
7. Quantity of greem manure seeds to be purchased - 23,438 tons.
8. Quantity of seeds to be distributed - 23,438 tons.
9. Area to be benefited - Whole Province.
10. Estimated additional production - 62,000 tons of rice.
11. Result of last year's scheme - Will be available after the due of the fasli year 1949.
12. Duration of scheme - Five years changed into two years.
13. Area of operation - 8,48,000 acres in all the districts.
14. Remarks - Nil..

SCHEME NO. 13.

1. Name of scheme - Scheme for multiplication and distribution of improved seeds of millets.
2. Total cost of scheme - Rs.98,91,276.

	Rs.
3. Cholam	70,78,877
Cumbu	17,96,576
Ragi	8,32,567
Minai	1,83,956
	98,91,276

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3. Cost recoverable by sale of seeds ₹ Rs.88,74,709.

	Rs.
Cholam	63,53,472
Cumbu	16,05,842
Ragi	7,53,477
Tinai	1,61,918
	88,74,709

4. Net cost of scheme - Rs.10,16,567.
5. Government of India's share - Rs.88,832.
6. Provincial Government's share - Rs.9,27,735.
7. Quantity of seeds to be purchased - 29,382 tons.

	Ton.
Cholam	20,967
Cumbu	5,297
Ragi	2,471
Tinai	547
	29,282

8. Quantity of seeds to be distributed - Rs.29,282 tons.
9. Area to be benefitted - 18,87 ,812 acres.

	Acs.
Cholam	7,53,662
Cumbu	3,55,775
Ragi	4,42,375
Tinai	3,36,000
	18,87,812

10. Estimated additional production - 25,00 tons.
11. Result of last year's scheme - Not yet available.
12. Duration of scheme - Two years.
13. Area of operation - Seed farm area comprising 97,794 acres-
14. Remarks - Nil.

NEW SCHEME - SCHEME NO. 14.

1. Name of the scheme - Formation of three air compressor blasting parties for deepening wells for improving the water supply for Grow More Food Scheme.
2. Total cost of the scheme Rs.75,000 non-recurring and Rs.84,300. recurring.
3. Cost recoverable - Out of a total recurring expenditure of Rs.84,300 Government will spend Rs.42750 during the first year and Rs.39,150 during the second year and the ryots will bear the ~~remaining portion, viz. Rs.49,550 during ryots will bear the~~ remaining portion, vix., Rs.49,550 during the first year and Rs. 45,150 during the second year.
4. Net working cost of the scheme - Rs.84,300 per two years.
5. Government of India's share of cost (half the cost of the Government) - Rs.21,375 during the first year and Rs.19,575 per annum from the second year onwards.
6. Provincial Government(s share of the cost - Rs.21,375 during the first year and Rs.19,575 per annum from second year onwards.
7. Number of works to be constructed - With three air compress blasting parties 18 wells are expected to be completed each year.
8. Quantity of seeds, manures, etc, to be distributed- Nil.
9. Area to be benefited. This depends upon the yield of water from the wells. It may however be roughly assured that about 360 acres can be brought under irrigation by the 18 wells mentioned in 7 above.

10. Estimated additional production - Not possible to state.
11. Result of last years scheme - Scheme to be implemented only during 1949-50.
12. Duration of scheme - To be continued every year.
13. Area of the Scheme - In the various districts where wells are to be dug in rocky stratum.

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ABSTRACT OF EXPENDITURE ON SCHEMES

Serial number and name of scheme.	Total cost.	Cost recoverable.	N
(1)	Rs. (2)	Rs. (3)	
1. Land development by mechanical cultivation and installation of pumping sets.	13,32,000	52,000	12,79
2. Land development by mechanical cultivation Supply of elefctric motor pump sets to agriculturésts for lift irrigation.	42,00,000	42,00,000	
3. Central Agricultural Engineering stores and servicing centre for improvement of irrigation facilities with the help of mechanical cultivation.	22,50,000	22,50,000	
4. Land development by mechanical cultivation by tractors and bull dozers.			
Non-recurring	29,20,800	-	29,20
Recurring	10,80,000	2,50,000	8,30
	40,00,800	2,50,000	37,50
5. Soil conservation and contour bunding in the Ceded districts and Visakhapatnam district	9,79,610	1,60,875	8,18
6. Scheme for distribution of iron and steel for agricultural purposes	1,27,10,000 ~~1,27,10,000~~	1,27,10,000	
7. Subsidy for rural compost making (scheme for town compost will follow)	42,000	-	42
8. Scheme for control of pests and diseases of crops:	1,23,500	35,000	88
9, Scheme for subsidized distribution of phosphate manures to increase paddy production during 1949-50.	1,69,65,000	84,82,500	84,82
10. Distribution of ammonium sulphate.	2,84,00,000	2,84,00,000	
11. Scheme for intensive multiplication and distribution of improved paddy seeds	43,70,605	39,55,445	4,15
12. Scheme for increasing production of foodgrains	1,27,33,850	1,19,93,750	7,40
13. Scheme for multiplication and distribution of improved seeds of millets.	98,91,276	88,74,709	10,16
14. Formation of three air compressor blasting parties for deepening wells for improving the water supply for Grow More Food Schemes.	75,000(Non-recurring) 84,300 Recurring	41,550	42
	9,81,58,541	8,14,06,229	1,66,7

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IN THE PROGRAMME FOR 1949-50.

t Cost.	Provincial Government's share.	Central Government's share.	Area to be benefited.	Additional production estimated.
Rs. (4)	Rs. (5)	Rs. (6)	Acs. (7)	Tons. (8)
500	12,05,425	74,175	4,000	1,000
-	-	-	12,000	5,356
-	-	--	5,500	12,456
300 000				
300	26,05,600	11,45,200	40,000	10,000
735	4,09,367	4,09,367 ~~8,250~~	8,~~250~~ 520	700
-	-	-	Not estimated.	Not estimated.
500	21,300	21,300	8,250	1,000 (tons of cereals).
500	67,656	20,844	Whole Province.	15,556
500	42,41,~~500~~ 250	42,41,250	3.6 million acres.	4,000
-	-	-	41 lakhs acres.	1,60,000
160	3,81,418	25,742	752,250	40,300
100	3,70,050	3,70,050	Whole Province.	62,000
567	9,27,735	88,832	1,887,812	25,000
750	21,375	21,375	Not estimated.	Not estimated.
,312	1,02,51,136	64 ,18,135	11,806,332	4, 35,368

y/

R. Thyagaraja 23.11.

Office Assistant.

Madras Record Office 19.11

19/4/83